



# NITFS Compliance Registration



**Product:** General Atomics NITFS Library, Version 1.0 (Software Development Kit) **Date:** 25 January 2005

**Sponsor:** Naval Air Code 4.5.5

**Expiration:** 24 January 2007

**Registration #:** 3009

**Developer:** General Atomics

- ☒ Initial Registration  
☐ Supplemental/Update #  
☐ Derived from Reg. #

☐ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL		3	5	6	7	Oth	
Interpret							
Generate							9
NITF 2.0 CLEVEL							
Interpret							
Generate							

## Configurations Tested:

The General Atomics NITFS Library, Version 1.0 was tested via a sample test environment supplied by General Atomics - Lynx Systems running on a 3.4 GHz Pentium 4, 2 GB RAM, 80 GB hard drive, running Windows XP Professional, Service Pack 2

- Legend
- Interpret  
Gen
- ☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

## NITFS Features Implemented:

### Format

- NITF**  
☒ V2.1  
☐ V2.0  
☐ V1.1

- NSIF**  
☐ V1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ Bit Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☒ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☒ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsampling  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Bi-Level  
☐ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Data Extension Segments

- ☒ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

### Tagged Record Extensions

- ☒ ACFTB  
☒ AIMIDB  
☒ BLOCKA  
☒ CMETAA

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.